



PRODUCT SAFETY AND HEALTH INFORMATION SHEET

Section 1: Product and Company Information

Product Name: PINK SEAL™

Distributor: Owens Corning, World Headquarters, Fiberglas Tower - T/11, Attn.
Product Stewardship, Toledo, OH, 43659, Telephone 1-419-248-8234
(8am-5pm ET weekdays).

Emergency Contacts:

Emergencies ONLY (after 5pm ET and weekends) 1-419-248-5330,
CHEMTREC (24 hours everyday) 1-800-424-9300,
CANUTEC (Canada - 24 hours everyday) 1-613-996-6666

Health and Technical Contacts:

Health Issues Information (8am-5pm ET) 1-419-248-8234,
Technical Product Information (8am-5pm ET) 1-419-248-6575

Section 2: Composition and Ingredient Information

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
MDI	4,4'-Diphenylmethane diisocyanate	101-68-8	10-30%
Polymeric MDI	Polymeric MDI	9016-87-9	10-30%
Polyol	Polyether Poly Blend	Mixture	15-40%
LPG	Liquified Petroleum Gas	Mixture	10-30%
	- Propane	74-98-6	

Note: See Section 8 of PSHIS for exposure limit data for these ingredients

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Section 3: Hazards Identification

Appearance and Odor: Pink sticky material with a mild odor

Emergency Overview

Extremely Flammable

Primary Route(s) of Exposure: Inhalation, skin, eye and ingestion

Potential Health Effects:

ACUTE (short term): Irritating to eyes, skin and respiratory tract

CHRONIC (long term): May cause sensitization by skin contact and/or inhalation.

Medical Conditions Aggravated by Exposure: Exposure to individuals with asthma, eczema and/or allergies may aggravate existing conditions. Symptoms may include, coughing, wheezing and shortness of breath

Section 4: First Aid Measures

Inhalation: Move person to fresh air. Seek medical attention if irritation persists

Eye Contact: Flush with water for at least 15 minutes

Skin Contact: While foam is still wet and sticks, wash off with soap and water. If foam hardens, it must be peeled or scraped off. Use of petroleum jelly will help soothe skin after foam is removed

Ingestion: Drink large quantities of liquids. Do not induce vomiting. Consult physician

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Section 5: Fire Fighting Measures

Flash Point and Method (°F): -156°F (-104°C) estimated

Flammability Limits (%): LEL: 1.8 UEL: 18.0
for flammable blowing agent (LPG)

Auto Ignition Temperature (°F): N/A

Extinguishing Media: Water, foam, CO₂ or dry chemical

Unusual Fire and Explosion Hazards: Extremely flammable. Eliminate sources of ignition during use of product. Vapors from blowing agent can catch fire and burn with explosive violence.

Fire Fighting Instructions: Use self-contained breathing apparatus (SCBA).

Hazardous Combustion Products: During combustion Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide.

Section 6: Accidental Release Measures

Land Spill: Scrape up the bulk of the spill and put into suitable container for disposal as a nonhazardous waste.

Water Spill: Product will harden quickly and float on water.

Air Release: This material will settle out of the air. It can then be scraped up for disposal as a nonhazardous waste.

Additional Information: Provide adequate ventilation. Wear suitable personal protective clothing and equipment. Avoid spreading the spill to other surfaces.

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Section 7: Handling and Storage

Storage Temperature: 32°F - 90°F (0°C - 32°C)

Storage Pressure: Ambient conditions

General: Protect containers from physical abuse Avoid direct sunlight Do not incinerate aerosol can

Section 8: Exposure Controls and Personal Protection

<u>Ingredient</u>	<u>OSHA PEL</u> (8 hr. TWA unless denoted as ceiling)	<u>ACGIH TLV</u>
4,4'-Diphenylmethane diisocyanate (MDI)	0.2 mg/m ³ (0.02 ppm) ceiling	0.05 mg/m ³ (0.005 ppm)
Liquified Petroleum Gas Propane (74-98-6)	1,800 mg/m ³ (1,000 ppm)	Simple asphyxiant No TLV, depends on amount of oxygen in environment

Personal Protection:

Respiratory Protection: Use only with adequate ventilation. With insufficient ventilation, or in situations where the potential exists for exceeding the TLV, wear Self Contained Breathing Apparatus or supplied air respirator.

Skin Protection: Wear long sleeved shirt, pants, and gloves

Eye Protection: Safety glasses or goggles

Engineering Controls: Use with adequate ventilation.

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Section 9: Physical and Chemical Properties

Vapor Pressure (mm Hg @ 21°C/70°F): 4210

Vapor Density (Air=1): N/A

Specific Gravity (water=1): 1.1

Boiling Point: N/A

Solubility in Water: N/A

Viscosity: N/A

pH: N/A MDI (7-9)

Physical State: liquid that cures
to solid when
dispensed

Appearance: Pink sticky material

Odor Type: Mild odor

Freezing Point: N/A

Evaporation Rate (n-Butyl Acetate=1): N/A

VOC Content: 161.4 grams/litre

Section 10: Stability and Reactivity

General: Stable under normal handling and use

Incompatible Materials and Conditions to Avoid: Avoid water contamination, open flames, alcohols, strong bases, acids and ammonia. Reaction may be violent at elevated temperatures.

Hazardous Decomposition Products: None

Hazardous Polymerization: Not likely to occur

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Section 11: Toxicological Information

CARCINOGENICITY: The table below indicates whether or not each agency has listed each ingredient as a carcinogen

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
4,4'-Diphenylmethane diisocyanate	No	No	No	No
Polymeric MDI	No	No	No	No
Polyether Poly Blend	No	No	No	No
Liquified Petroleum	No	No	No	No
	<u>LD₅₀ Oral</u> (mg/kg)	<u>LD₅₀ Dermal</u> (mg/kg)		<u>LC₅₀ Inhalation</u> (ppm, 4 hrs)
4,4'-Diphenylmethane diisocyanate	>15,800 (rat)	>7,900 (rabbit)		2 hrs (rat) >400 mg/m ³ on a dust of monomeric of MDI
Polymeric MDI	>15,800 (rat)	>7,900 (rabbit)		370-490 mg/m ³ (4 hrs) for aerosol of PMDI (rat)
Polyether Poly Blend	N/A	N/A		N/A
Liquified Petroleum Gas	N/A	N/A		N/A

Concentration of components listed in Section 2 must be considered to determine effects of this mixture

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Section 12: Ecological Information

Unknown

Section 13: Disposal Considerations

RCRA Hazard Class: In the can the product is hazardous because it is a characteristic waste (ignitability). Once dispensed and cured, it is a nonhazardous waste. Dispose in accordance with state, local and federal regulations. Cured foam is an "article".

Section 14: Transport Information

Ship As: Consumer Commodity ORM-D

EPA Hazardous Substances: N/A

RQ: MDI - 5,000 lb

Quantity Limitations: Passenger Aircraft: 30 Kg Gross
Cargo Aircraft: N/A

Marine Pollutants: None

Freight Description: Plastic materials other than expanding

Hazardous Material Shipping Description: N/A

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Transportation of Dangerous Goods - Canada and Additional International Transport Information

Proper Shipping Name: Ocean - Aerosols, Air-Aerosols Flammable - N O S aerosols
(each not exceeding 2 L capacity)

TDG Hazard Classification: (Primary): 2.1, UN 1950 (Secondary): N/A

IMO Classification: Class 9, UN 1950 - no label required Packages marked
"Aerosols"

ICAO/IATA Classification: 2.1, UN 1950 - Label Flammable Gas

Product Identification Number: UN 1950

Packing Group: N/A

Schedule XII Quantity Restriction: N/A

Reportable Quantity for US Shipments: N/A

IATA Packing Instructions: Passenger/Cargo: Y203
Limited Quantity: Y203

Maximum Net Quantity per Package: Passenger/Cargo: 30 Kg Gross
Limited Quantity: 30 Kg Gross

Special Provisions:

IMO Packing Instructions: Fibreboard Box 55 Kg



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Section 15: Regulatory Information

TSCA Status: All ingredients are listed on the TSCA Chemical Substance Inventory

NSR Status (Canada): Each ingredient is on the DSL.

SARA Title III:

Hazard Categories:

Acute Health	Yes
Chronic Health	Yes
Fire Hazard	Yes
Pressure Hazard	Yes
Reactivity Hazard	No

Reportable Ingredients:

Sec. 302/304 Extremely Hazardous Substance - None
Sec. 313 Industrial user triggered at 25,000 lb
4,4'-Diphenylmethane diisocyanate (101-68-8)
Polymeric MDI (9016-87-9)

WHMIS (Canada): Status: Regulated/controlled

WHMIS Classifications: B-5, D-1A, D-2A, D-2B

California Proposition 65: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under Proposition 65 at levels which would be subject to the proposition

Clean Air Act: CAA 1990 Toxic Air Pollutant - Hazardous Air Pollutant (HAP)

Section 16: Other Information

HMIS and NFPA Hazard Rating:

Category	HMIS	NFPA
Acute Health	2	2
Flammability	4	4
Reactivity	1	1

NFPA Unusual Hazards: N/A

HMIS Personal Protection: To be supplied by user, depending on use

Revision Summary: This is the initial Product Safety and Health Information Sheet for PINK SEAL™

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